IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 3, 4 and 6 have been amended and claims 7-17 have been added as follows:

Listing of Claims:

Claim 1 (original): A scroll compressor in which a fixed scroll and an orbiting scroll whose scroll laps rise from an end plate are meshed with each other to form a compression chamber therebetween, and when said orbiting scroll is turned along a circular orbit while restraining rotation by a rotation-restricting mechanism, said compression chamber moves while changing its volume, thereby carrying out suction, compression and discharge operations, wherein

an outer wall curve of a scroll lap of said fixed scroll and an inner wall curve of a scroll lap of said orbiting scroll are formed of involute curves whose basic circle radius is defined as "a", an inner wall curve of said scroll lap of said fixed scroll and an outer wall curve of said scroll lap of said orbiting scroll are formed of involute curves whose basic circle radius is defined as "b", and a value of a/b which is a ratio of said basic circle radius a and said basic circle radius b is set to a value exceeding 1.0 and less than 1.5.

Claim 2 (original): The scroll compressor according to claim 1, wherein an involute angle θa at which an inner wall curve of said scroll lap of said fixed scroll is terminated and an involute angle θb at which an inner wall curve of said scroll lap of said orbiting scroll is terminated satisfy a relation of $\theta b<\theta a<\theta b+\pi$.

Claim 3 (currently amended): The scroll compressor according to claim [[1 or]] 2, wherein

a center position of said basic circle radius a and a center position of said basic circle radius b are aligned with each other.

Claim 4 (currently amended): The scroll compressor according to claim [[1 or]] 2, wherein a center position of said basic circle radius a and a center position of said basic circle radius b are separated from each other.

Claim 5 (original): A scroll compressor in which a fixed scroll and an orbiting scroll whose scroll laps rise from an end plate are meshed with each other to form a compression chamber therebetween, and when said orbiting scroll is turned along a circular orbit while restraining rotation by a rotation-restricting mechanism, said compression chamber moves while changing its volume, thereby carrying out suction, compression and discharge operations, wherein

a thickness of a scroll lap of said fixed scroll is increased from its center toward an outer side thereof, and a thickness of a scroll lap of said orbiting scroll is reduced from its center toward an outer side thereof.

Claim 6 (currently amended): The scroll compressor according to ~~any one of claims 1 to 5~~ claim 5, wherein a refrigerant is a high pressure refrigerant~~, e.g., carbon dioxide~~.

Claim 7 (new): The scroll compressor according to claim 6, wherein the refrigerant is carbon dioxide.

Claim 8 (new): The scroll compressor according to claim 1, wherein a refrigerant is a high pressure refrigerant.

Claim 9 (new): The scroll compressor according to claim 8, wherein the refrigerant is carbon dioxide.

Claim 10 (new): The scroll compressor according to claim 2, wherein a refrigerant is a high pressure refrigerant.

Claim 11 (new): The scroll compressor according to claim 10, wherein the refrigerant is carbon dioxide.

Claim 12 (new): The scroll compressor according to claim 3, wherein a refrigerant is a high pressure refrigerant.

Claim 13 (new): The scroll compressor according to claim 12, wherein the refrigerant is carbon dioxide.

Claim 14 (new): The scroll compressor according to claim 4, wherein a refrigerant is a high pressure refrigerant.

Claim 15 (new): The scroll compressor according to claim 14, wherein the refrigerant is carbon dioxide.

Claim 16 (new): The scroll compressor according to claim 1, wherein a center position of said basic circle radius a and a center position of said basic circle radius b are aligned with each other.

Claim 17 (new): The scroll compressor according to claim 1, wherein a center position of said basic circle radius a and a center position of said basic circle radius b are separated from each other.